

|     |   |            |
|-----|---|------------|
| 1   | CGACCGCCGAGCTTGGCTGCTTCTGGGGCCCTGTGTGGCCCTGTGTGTGGAAAGATGGAGCAGAGCCGAGCCCGAGGGGC    | Human nt   |
| 84  | * AG AGCCGC GC TTCTC TCG TCGAGCT TG ACCACCATG CGCTCA G C                            | Mouse nt   |
| 168 | GGCCCGGACCCCTCTACCCGAGATCTCTGCTCTTCTGCGAGCCGAGCCACCTCTCTCCCGGATTAAGTCGCTACGCGCCCGCA | Human nt   |
| 168 | CGT GC GG CTCCGCTCCCG GAAG GTGGAA ATGCC G AGTAG CC T CTGGGGAGC GAGACC               | Mouse nt   |
| 168 | GTCCCTGCGCCGAGTGAATGATCCCGAGGCCAGGGCGTGTCTTCCGAGTAGTCTAGTCTCCCGTGAGGGAATCTGG        | Human nt   |
| 252 | ACC GACACCCCTGGGGACC TCG AT ACCCG TTCTCT C GCTTC C                                  | Mouse nt   |
| 252 | GGATCTTGGGACCCCGAGCTCCAGCGGAAACCCCGGATGTGTAGGAGGAGCAATGTGCAATACCAACATGTCTGTGA       | Human nt   |
| 1   | M C N T M N S V   | Human a.a. |
| 336 | T C G C G   | Mouse nt   |
| 336 | CCTACTGATGTGCTGTAAACACCTCAGCTTCACGNTTCCAGCTTCGGACAGAGCCCTGTTGAGACCAAGCCATTCCTTTTGAG | Human nt   |
| 9   | P T D G A V T T S Q I P A S E Q E T L V R P K P L L L K                             | Human a.a. |
| 9   | S E A S   | Mouse a.a. |
| 420 | G C A G C C A A A A A   | Mouse nt   |
| 420 | TTATTAAAGTCTGTGTGACAGCAAAAGACACTTATCTATGAAAGAGGTCTTTTATCTTGGCCAGTATATTATGACTAAA     | Human nt   |
| 37  | L L K S V G A Q K D T Y T M K E V L P Y L G Q Y I M T K                             | Human a.a. |
| 37  | N I I I   | Mouse a.a. |
| 504 | A G C G G C C G C G A C G T   | Mouse nt   |
| 504 | CGATTATATGTAAGCAACATATTTGTATTTGTTCAATGTCTCTAGAGATTTGTTGGCGTCCAGCTTCTCT              | Human nt   |
| 65  | R L Y D E K Q Q H I V Y C S M D L L G D L F G V P S F S                             | Human a.a. |
| 65  | V   | Mouse a.a. |
| 588 | G A A T A G C T A G A-----T C   | Mouse nt   |
| 588 | GTGAAAGCAGCAGGAAATATATACCATGATCTACAGCACTTGTAGTACTGATCAGGAGGATTCATCGGACTCAGGTACA     | Human nt   |
| 93  | V K E H R K I Y T M I Y R N L V V V M Q Q E S B S D S G T                           | Human a.a. |
| 93  | A A S - - -   | Mouse a.a. |
| 672 | GC G AC G C TG T C T G C CA CA  | Mouse nt   |
| 672 | TCTGTGTAAGACAGGTGTACCTTGAGGTGGAGTGATCAAGAGCCCTTGTACAGAGCTTCAGGAGAGAACCTTCA          | Human nt   |
| 121 | S V S E M R C H L E G G S D Q K D L V Q E L Q E K P S                               | Human a.a. |
| 121 | L S R Q P L P L A P P   | Mouse a.a. |

FIGURE 1A

TCTTCAATTTGGTTTCAGACCATCTACTCATTAGTAGGAGCAGCATTAAGTGCAGACAGAGAATAATTCAGATGAATTAATCT  
8 S H L V S R P S T S B R R A I S E T E M S D E L S  
D I L

G G G C C G G G GG----- G CCG G AGC G  
GGTGACACAAAGAAAGCCACAAATCTGATGATATTTCCCTTTCCTTATGAAAGCCTGGCTCTGTGTGTAAATAAAGGAG  
G E R Q R K R H K S D S I S L S F D E S L A L C V I E E  
H R R - - - - P G E L

G CAGCGGGCACAGCA CAGT C C C G C A C C A C A C A C  
ATATGT-----TGTGAAGAGCAGTAGCAGTGATCTACAGCACGCCATCGAATCCGATCTGATGCTGGT  
I C - - - - C E R S S E S T G T P S M P D L D A G  
M S G G T S S S S E H Q D

G T CC  
CTAAGTGACATTCAGGTGATTTGGTGGATCAGANTTCAGTTTCAGATCAGTTTACTGTAGATTTGAAGTTGAATCTCTCAG  
V S E H S G D W L D Q D S V S D Q P S V E F E V E S L D  
C

G C C C G C G C G C A C A C A  
TCAGAGATTATAGCCTTAGTGAGNAGGACAGNACTCTCAGATGAGATGATGATGATATCAAGTTACTGTGTATCAGCCA  
S E D Y S L S E E G Q E L S D E D E V Y Q V T V Y Q A  
D H R

A A C C T G G G T C  
GGGAGAGTGATCAGATTCATTTGAAGACAGATCTGAAAATTTCTTAGCTGACTATGGAATGCATTCAGCAATGAATG  
G E S D T D S F E E D P E I S L A D Y N K C T S C M E M

T C A C A C A C G  
AATCCCCCTTCATCAGATTGCAACAGATTTGGCCCTTCGTGAGAAATGGCTTCTCTGAAGATAAAGGAAAGATAAAGGG  
M P P L P S H C M R C W A L R E M W L P E D K G K D K G  
K T V

A GT G A A G G CCTG C A  
GAATCTCTGAGAACCCAACTGGAAACTCAACACAGCTGAGAGCGGCTTGTATGTTCTGATGTAAAGAAATCTAGTG  
E I S E K A K L E M S T Q A E E G F D V P D C K K T I V  
A L G L T E

**FIGURE 1B**

**FIGURE 1C**

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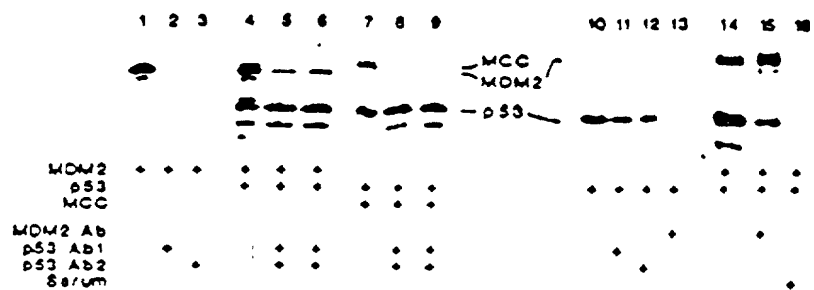


FIGURE 2

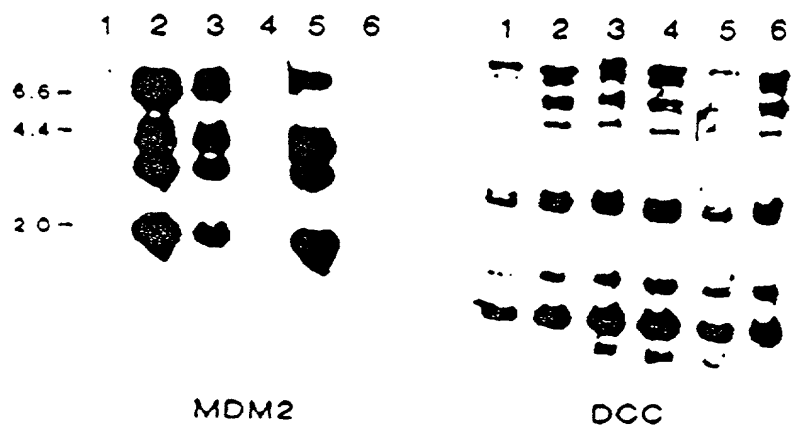


FIGURE 3

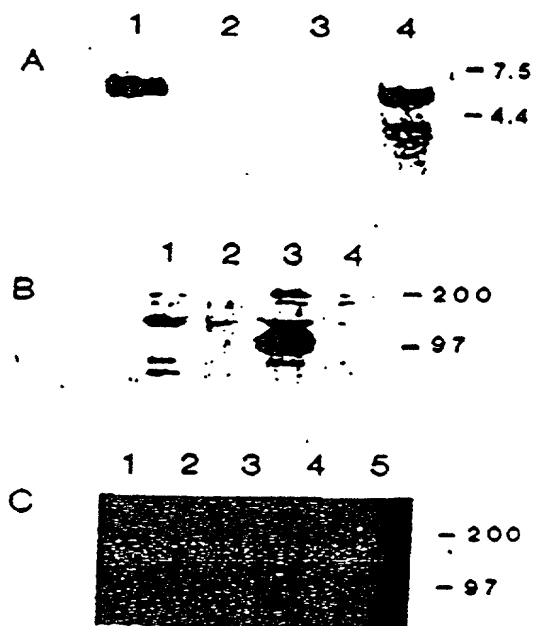


FIGURE 4

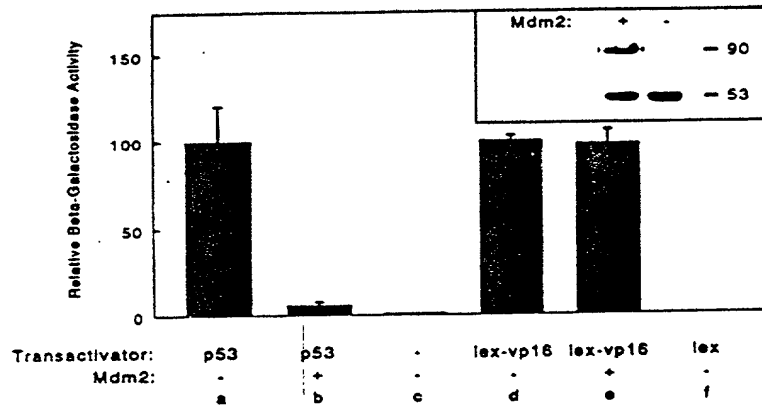
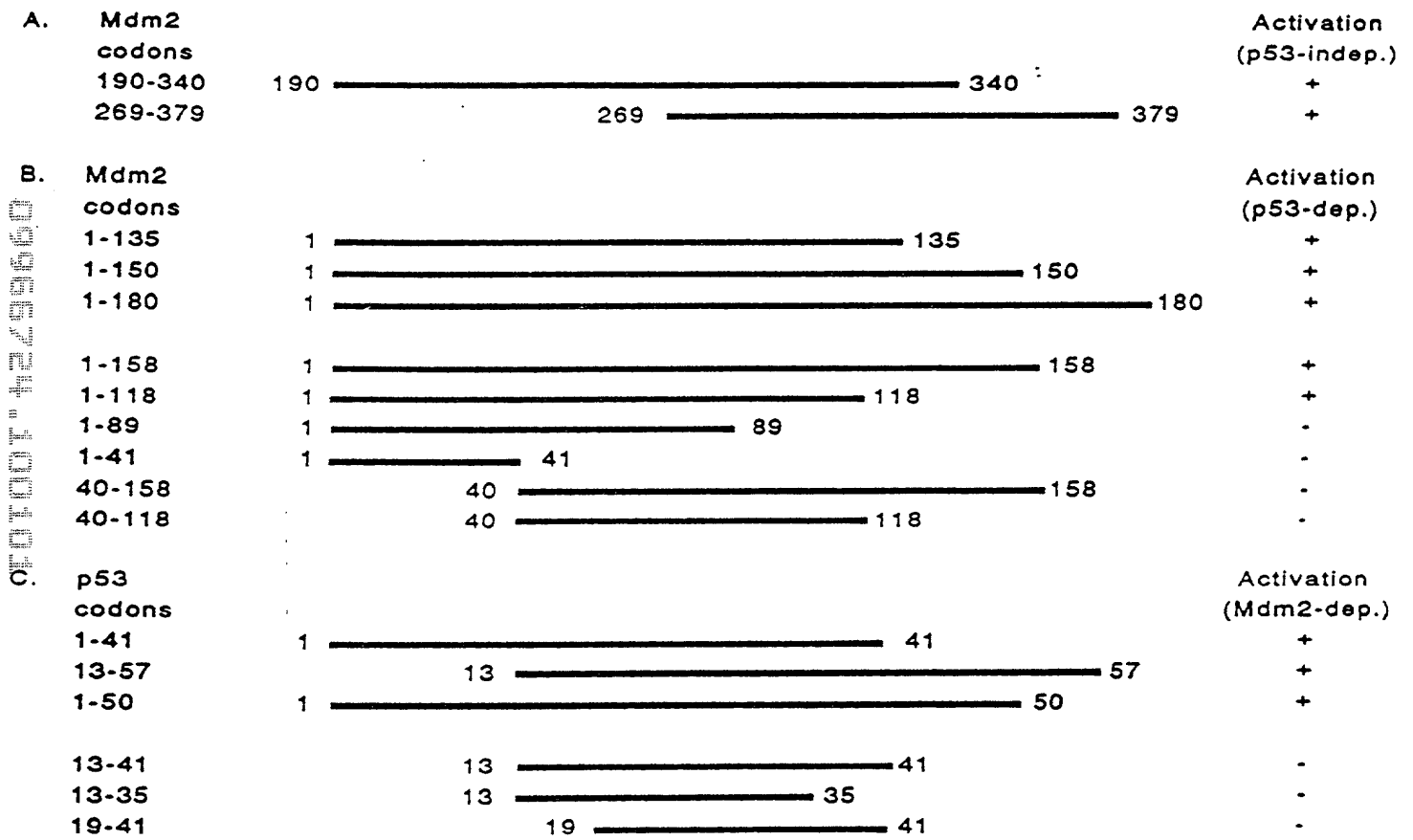


FIGURE 5



**FIGURE 6**



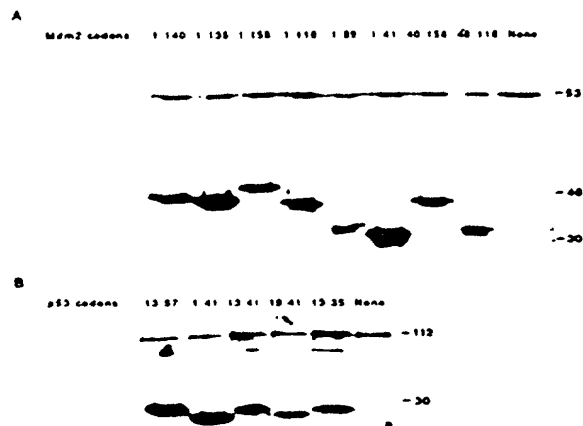


FIGURE 7

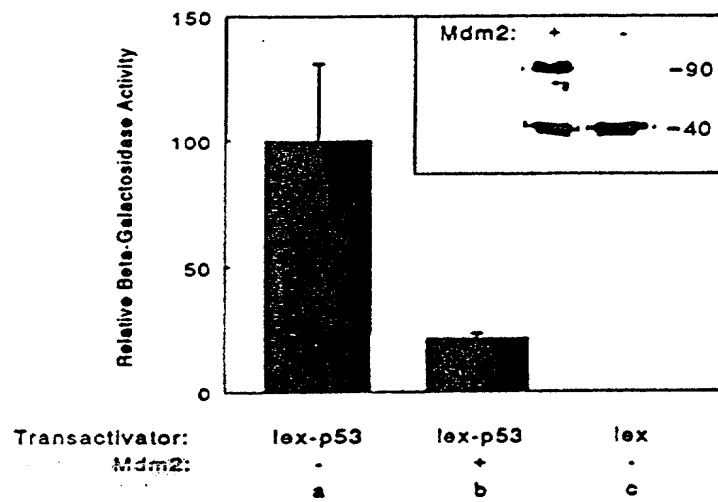


FIGURE 8

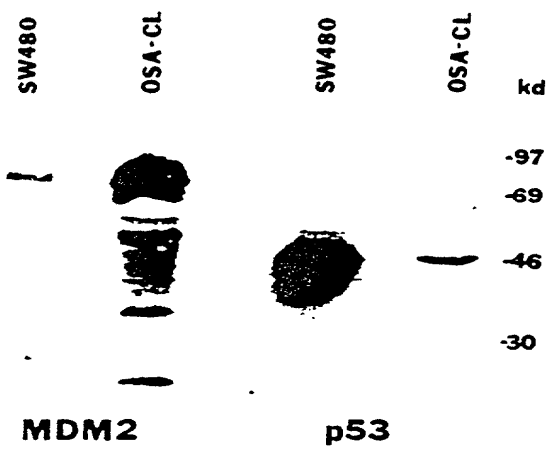


FIGURE 9

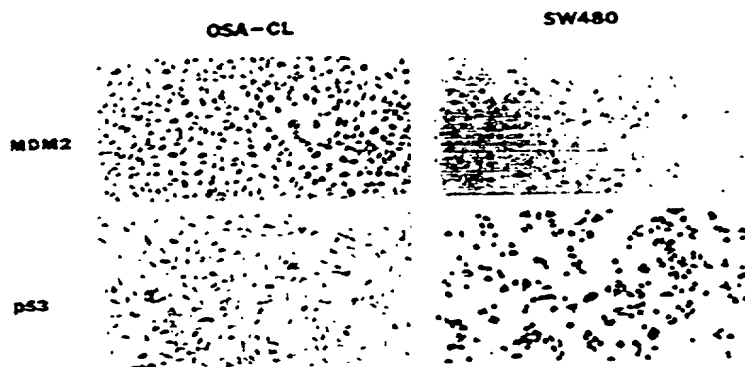


FIGURE 10

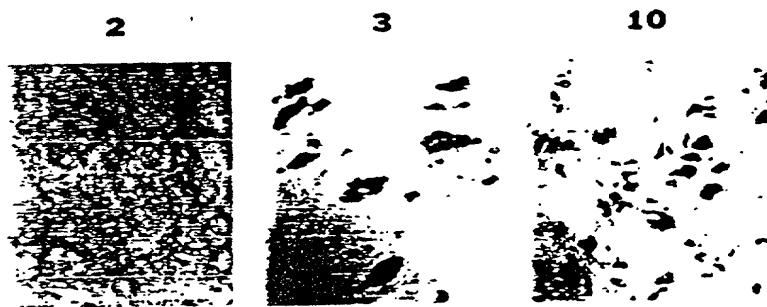


FIGURE 11